

AMENDMENTS TO THE CLAIMS:

Please amend Claims 1 through 18 and 20 through 24 as follows.

1. (Currently Amended) An information processing apparatus which processes data input through a coordinate input device, said information processing apparatus comprising:

inputting means for inputting writing data through the coordinate input device;

detecting means ~~which detects~~ for detecting the sampling rate of the coordinate input device based on the writing data and time information; and

standardizing means ~~which standardizes~~ for standardizing writing data which is input through the coordinate input device, the standardizing being based on the sampling rate detected by said detecting means,

wherein the writing data of the detected sampling rate is standardized to the writing data of a predetermined sampling rate.

2. (Currently Amended) An information processing apparatus according to Claim 1, wherein the ~~standardized~~ writing data ~~generated from~~ standardized by said standardizing means is used for signature authentication.

3. (Currently Amended) An information processing apparatus according to Claim 1, wherein the ~~standardized~~ writing data ~~generated from~~ standardized by said standardizing means is used for handwritten character recognition.

4. (Currently Amended) An information processing apparatus according to Claim 1, wherein the ~~standardized~~ writing data ~~generated from~~ standardized by said standardizing means is ~~used as~~ registered into a stroke database.

5. (Currently Amended) An information processing apparatus according to Claim 1, wherein the ~~standardized~~ writing data ~~from~~ standardized by said standardizing means is used as the output for the writing data which is input through the coordinate input device.

6. (Currently Amended) An information processing apparatus according to Claim 1, wherein said standardizing means ~~decimates~~ standardizes the writing data by decimating a group of stroke points indicated by ~~in-stroke data generated from~~ the writing data based on the detected sampling rate.

7. (Currently Amended) An information processing apparatus according to Claim 1, wherein said standardizing means ~~interpolates~~ standardizes the writing data by interpolating a group of stroke points in-stroke data generated from indicated by the writing data based on the detected sampling rate.

8. (Currently Amended) An information processing apparatus according to Claim 1, wherein said detecting means includes:

display means ~~which displays~~ for displaying a graphical pattern for sampling rate detection on an input screen of the coordinate input device;

instructing means for instructing a user to trace the displayed graphical pattern;
obtaining means for obtaining the time period and the total number of
samplings during the time that the displayed graphical pattern is traced by the user; and
calculating means for calculating the sampling rate based on the obtained time
period and the obtained total number of samplings.

9. (Currently Amended) An information processing apparatus according to Claim 1, further comprising transmitting means ~~which transmits~~ for transmitting the standardized writing data to a verification server for signature verification.

10. (Currently Amended) A verification server linked to an information processing apparatus having different coordinate input means over a network, said server comprising:

receiving means which receives standardized writing data, the standardized writing data being made by standardizing, before transmitting, writing data which is input through the coordinate input means in the information processing apparatus, the standardizing being based on the a detected sampling rate of the coordinate input means, wherein the standardized writing data is the writing data of a predetermined sampling rate;
and

signature verifying means which performs signature verification based on the standardized writing data received by said receiving means.

11. (Currently Amended) An information processing method of processing data input through a coordinate input device, said information processing method comprising the steps of:

inputting writing data through the coordinate input device;

detecting the sampling rate of the coordinate input device based on the writing data and time information; and

standardizing writing data which is input through the coordinate input device, the standardizing being based on the sampling rate detected in said detecting step,

wherein the writing data of the detected sampling rate is standardized to the writing data of a predetermined sampling rate.

12. (Currently Amended) An information processing method according to Claim 11, wherein the ~~standardized~~ writing data ~~generated~~ standardized in said standardizing step is used for signature authentication.

13. (Currently Amended) An information processing method according to Claim 11, wherein the ~~standardized~~ writing data ~~generated~~ standardized in said standardizing step is used for handwritten character recognition.

14. (Currently Amended) An information processing method according to Claim 11, wherein the ~~standardized~~ writing data ~~generated~~ standardized in said standardizing step is ~~used as~~ registered into a stroke database.

15. (Currently Amended) An information processing method according to Claim 11, wherein the ~~standardized~~ writing data standardized in said standardizing step is used as the output for the writing data which is input through the coordinate input device.

16. (Currently Amended) An information processing method according to Claim 11, wherein said standardizing step ~~includes~~ standardizes the writing data by decimating a group of stroke points ~~in stroke data generated from~~ indicated by the writing data based on the detected sampling rate.

17. (Currently Amended) An information processing method according to Claim 11, wherein said standardizing step ~~includes~~ standardizes the writing data by interpolating a group of stroke points ~~in stroke data generated from~~ indicated by the writing data based on the detected sampling rate.

18. (Currently Amended) An information processing method according to Claim 11, wherein said detecting step includes the ~~step~~ steps of:

displaying a graphical pattern for sampling rate detection on an input screen of the coordinate input device;

instructing a user to trace the displayed graphical pattern;

obtaining the time period and the total number of samplings during the time

that the displayed graphical pattern is traced by the user; and

calculating the sampling rate based on the obtained time period and the

obtained total number of samplings.

19. (Original) An information processing method according to Claim 11, further comprising the step of transmitting the standardized writing data to a verification server for signature verification.

20. (Currently Amended) A verification method of performing signature verification on standardized writing data which is input from an information processing apparatus having different coordinate input means over a network, said method comprising the steps of:

receiving standardized writing data, the standardized writing data being made by standardizing writing data which is input through the coordinate input means in the information processing apparatus, the standardizing being based on the a detected sampling rate of the coordinate input means, and the standardized writing data being transmitted over a network, wherein the standardized writing data is the writing data of a predetermined sampling rate; and

performing signature verification based on the standardized writing data received in said receiving step.

21. (Currently Amended) A computer-readable memory having information processing program code to process data which is input from a coordinate input device, the program code including the steps of:

inputting writing data through the coordinate input device;

detecting the sampling rate of the coordinate input device based on the writing data and time information; and

standardizing writing data which is input through the coordinate input device,
said standardizing being based on the sampling rate detected in said detecting step,

wherein the writing data of the detected sampling rate is standardized to the
writing data of a predetermined sampling rate.

22. (Currently Amended) A computer-readable memory having a verification program for performing signature verification on standardized writing data which is input from an information processing apparatus having different coordinate input means over a network, the program including the steps of:

receiving standardized writing data, the standardized writing data being made by standardizing writing data which is input through the coordinate input means in the information processing apparatus, the standardizing being based on the a detected sampling rate of the coordinate input means, and the standardized writing data being transmitted over a network, wherein the standardized writing data is the writing data of a predetermined sampling rate; and

performing signature verification based on the standardized writing data received in said receiving step.

23. (Currently Amended) A program having program code which allows an information processing apparatus to execute an information process of processing data which is input from a coordinate input device, the program code including the steps of:

inputting writing data through the coordinate input device;

detecting the sampling rate of the coordinate input device based on the writing data and time information; and

standardizing writing data which is input through the coordinate input device, said standardizing being based on the sampling rate detected in said detecting step,

wherein the writing data of the detected sampling rate is standardized to the writing data of a predetermined sampling rate.

24. (Currently Amended) A verification program for performing signature verification on standardized writing data on which is input from an information processing apparatus having different coordinate input means over a network, the program including the steps of:

receiving standardized writing data, the standardized writing data being made by standardizing writing data which is input through the coordinate input means in the information processing apparatus, the standardizing being based on ~~the~~ a detected sampling rate of the coordinate input means, and the standardized writing data being transmitted over a network, wherein the standardized writing data is the writing data of a predetermined sampling rate; and

performing signature verification based on the standardized writing data received in said receiving step.